10/031636

```
 * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:15:16 ON 05 JAN 2004

=> file medline biosis caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'MEDLINE' ENTERED AT 15:15:44 ON 05 JAN 2004

FILE 'BIOSIS' ENTERED AT 15:15:44 ON 05 JAN 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'CAPLUS' ENTERED AT 15:15:44 ON 05 JAN 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s modif#####(10a) 2'-OH(10a)RNA
MISMATCHED QUOTE ' 2'-OH'
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s modif#####(10a)2-OH(10a)RNA
L1          12 MODIF#####(10A) 2-OH(10A) RNA

=> s l1 and isolat###
L2           2 L1 AND ISOLAT###

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3           2 DUP REM L2 (0 DUPLICATES REMOVED)

=> d l3 1-2 bib ab

L3   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2000:881292  CAPLUS
DN   134:39163
TI   Isolation of RNA by differential labeling of the ribose moiety
     with an affinity label
IN   Goldsborough, Andrew Simon
PA   Cyclops Genome Sciences Ltd., UK
SO   PCT Int. Appl., 71 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 3
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
PI   WO 2000075302      A2    20001214      WO 2000-GB1684   20000502
     WO 2000075302      A3    20010426
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
             CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
             LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
             SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
             ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     WO 2001094626      A1    20011213      WO 2000-GB1683   20000502
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
```

CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1177281 A2 20020206 EP 2000-929666 20000502
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
EP 1196631 A1 20020417 EP 2000-929665 20000502
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
US 2003039985 A1 20030227 US 2001-11495 20011026
PRAI GB 1999-10154 A 19990430
GB 1999-10156 A 19990430
GB 1999-10157 A 19990430
GB 1999-10158 A 19990430
WO 2000-GB1683 W 20000502
WO 2000-GB1684 W 20000502
AB A method of purifying RNA from a mixt. of nucleic acids including DNA that makes use of the difference in the sugar moiety of the nucleic acid backbone is described. A sample is treated with a reactant capable of covalently **modifying** the **2'-OH** position of the ribose rings of the **RNA** under conditions so that a proportion of the 2'-OH positions of the ribose rings bear a substituent followed by sepn. of RNA from other contaminants on the basis of a property of the substituent. The use of alkyl groups to modify the backbone of the RNA for capture on a hydrophobic surface, such as a modified agarose, after salting out with ammonium sulfate is demonstrated.

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:816043 CAPLUS
DN 130:77053
TI High-affinity oligonucleotide ligands to vascular endothelial growth factor (VEGF)
IN Janjic, Nebojsa; Gold, Larry
PA Nexstar Pharmaceuticals, Inc., USA
SO U.S., 64 pp., Cont.-in-part of U.S. 5,475,096.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 125

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | US 5849479 | A | 19981215 | US 1994-233012 | 19940425 |
| | US 5475096 | A | 19951212 | US 1991-714131 | 19910610 |
| | EP 786469 | A2 | 19970730 | EP 1997-200035 | 19910610 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| | IL 112141 | A1 | 19980405 | IL 1991-112141 | 19910611 |
| | US 5496938 | A | 19960305 | US 1992-964624 | 19921021 |
| | CA 2169536 | AA | 19950316 | CA 1994-2169536 | 19940908 |
| | WO 9507364 | A1 | 19950316 | WO 1994-US10306 | 19940908 |
| | W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, UZ, VN | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9476865 | A1 | 19950327 | AU 1994-76865 | 19940908 |
| | AU 692469 | B2 | 19980611 | | |
| | EP 724647 | A1 | 19960807 | EP 1994-927409 | 19940908 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE | | | | |
| | JP 09502354 | T2 | 19970311 | JP 1994-508834 | 19940908 |

| | | | | | |
|---|---|---|---|---|---|
| | US 5811533 | A | 19980922 | US 1995-447169 | 19950519 |
| | US 5789163 | A | 19980804 | US 1995-487425 | 19950607 |
| | US 6168778 | B1 | 20010102 | US 1997-870930 | 19970606 |
| | US 2003198989 | A1 | 20031023 | US 2003-408085 | 20030403 |
| | US 2003176680 | A1 | 20030918 | US 2003-409565 | 20030407 |
| PRAI | US 1990-536428 | B2 | 19900611 | | |
| | US 1991-714131 | A2 | 19910610 | | |
| | US 1992-964624 | A2 | 19921021 | | |
| | EP 1991-912753 | A3 | 19910610 | | |
| | IL 1991-98456 | A3 | 19910611 | | |
| | US 1993-117991 | A | 19930908 | | |
| | US 1993-134028 | A | 19931007 | | |
| | US 1994-199507 | A | 19940222 | | |
| | US 1994-205515 | B2 | 19940303 | | |
| | US 1994-233012 | A | 19940425 | | |
| | US 1994-234997 | A | 19940428 | | |
| | WO 1994-US10306 | W | 19940908 | | |
| | US 1995-409442 | A1 | 19950324 | | |
| | US 1995-412110 | A1 | 19950327 | | |
| | US 1995-428964 | B1 | 19950425 | | |
| | US 1995-447169 | A2 | 19950519 | | |
| | US 1995-469609 | A1 | 19950606 | | |
| | US 1998-143190 | A1 | 19980827 | | |
| | US 1998-156824 | B1 | 19980918 | | |
| | US 2000-502344 | A1 | 20000210 | | |
| | US 2001-860474 | A1 | 20010518 | | |
| | US 2001-37986 | A1 | 20011018 | | |

AB This invention describes the **isolation** and characterization of binding properties of a set of high-affinity RNA ligands to vascular endothelial growth factor (VEGF). These ligands were selected from an initial pool of about 1014 RNA mols. randomized at thirty contiguous positions. The evolved RNA ligands bind VEGF with affinities in the low nanomolar range. Also described are modified RNA ligands to VEGF. Such **modified RNA** ligands may be prepd. after the identification of **2'-OH RNA** ligands or by performing SELEX using a candidate mixt. of modified RNAs. For example, 2'-NH2 pyrimidine RNA ligands to VEGF are described. The present invention includes the method of identifying nucleic acid ligands and ligand sequences to VEGF.

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

10/031,636

# Freeform Search

**Database:** US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Term:**

**Display:** 10 **Documents in Display Format:** - **Starting with Number** 1

**Generate:** ○ **Hit List** ◉ **Hit Count** ○ **Side by Side** ○ **Image**

Search Clear Interrupt

## Search History

**DATE: Monday, January 05, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB; PLUR=YES; OP=ADJ* | | | |
| L2 | US-20030039985-A1.did. | 1 | L2 |
| *DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ* | | | |
| L1 | modify$3 near5 2-OH near5 RNA | 1 | L1 |

END OF SEARCH HISTORY